

János Rohály Application No.: 10/662,257

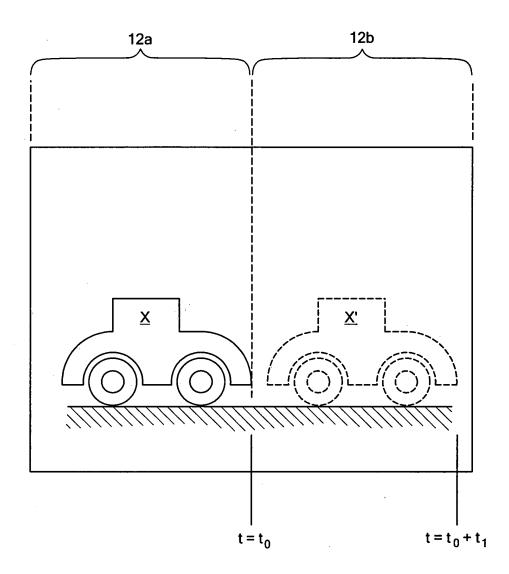
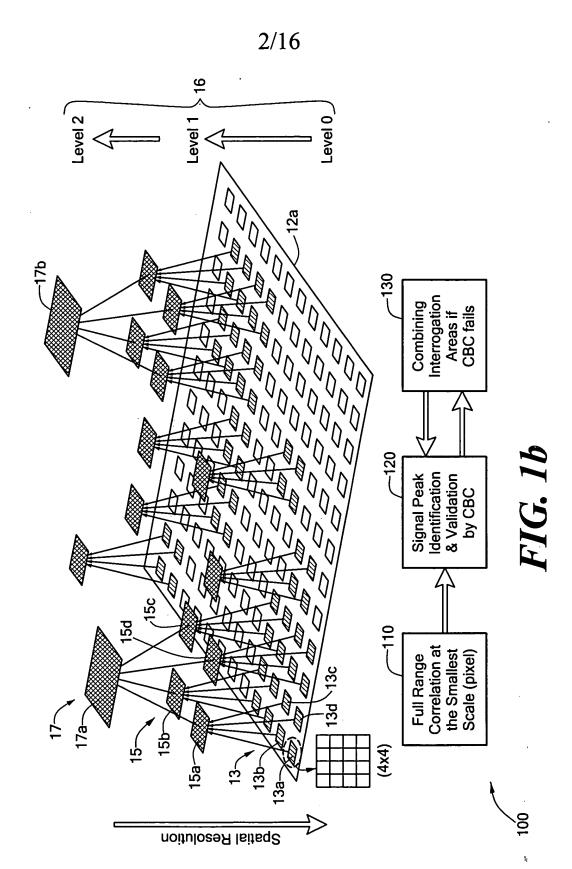


FIG. 1a







A METHOD OF MULTI-RESOLUTION ADAPTIVE CORRELATION PROCESSING

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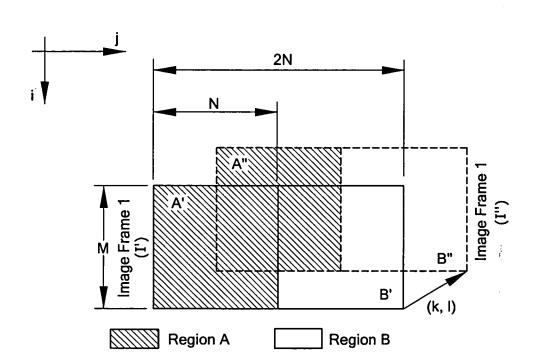
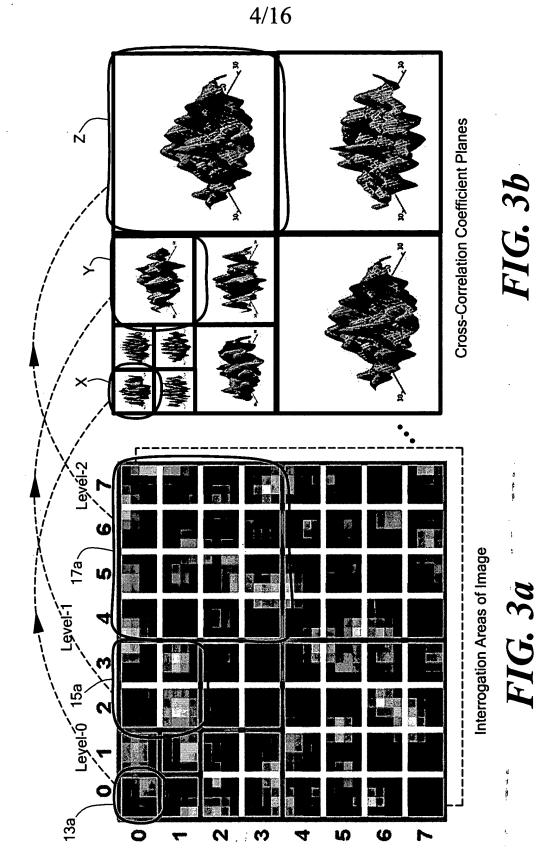


FIG. 2

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A METHOD OF MULTI-RESOLUTION ADAPTIVE CORRELATION PROCESSING

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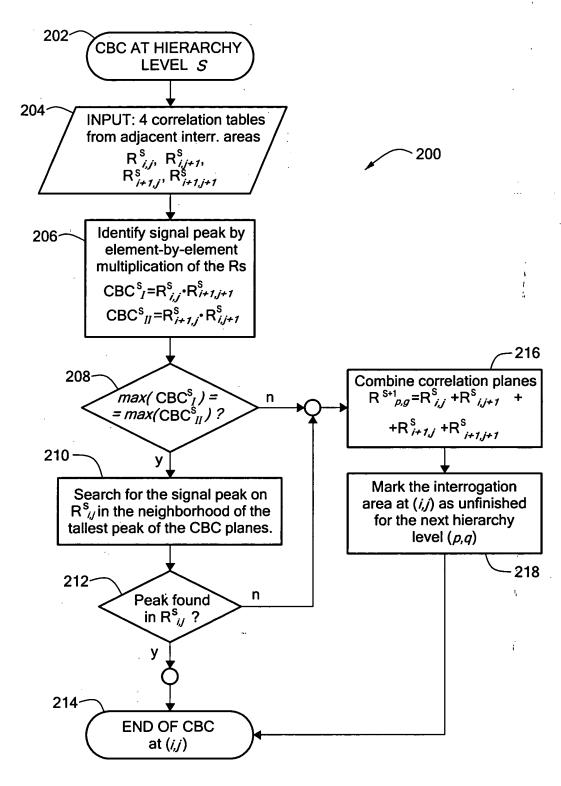


FIG 4a





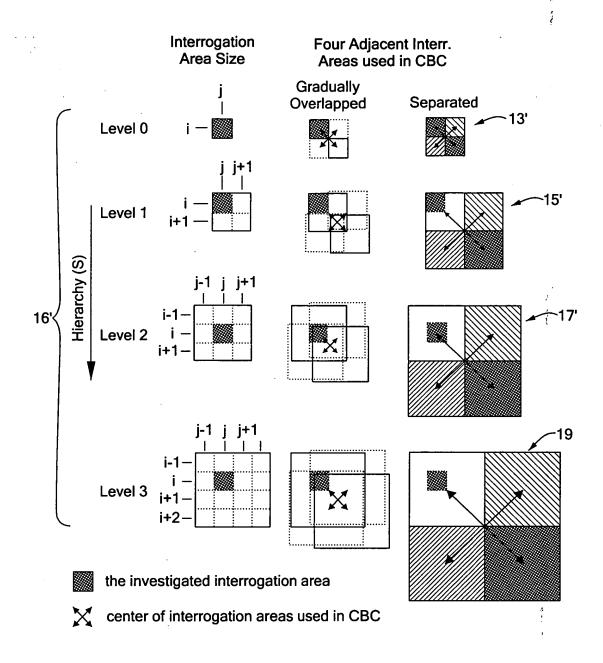
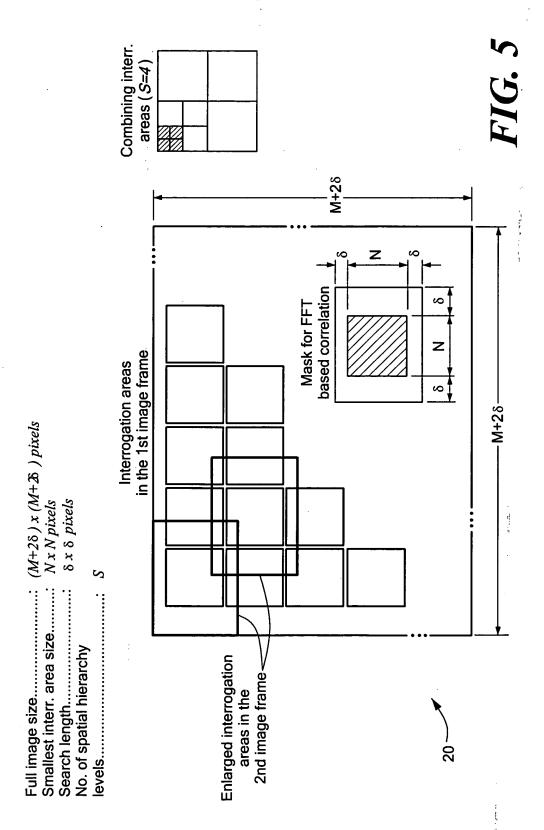


FIG. 4b







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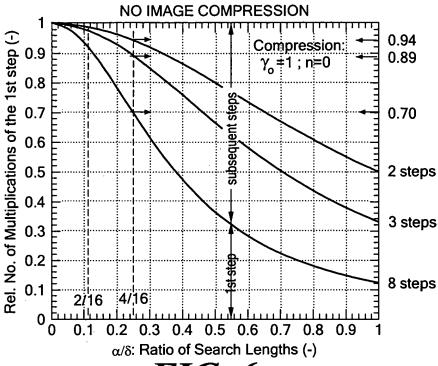


FIG. 6a

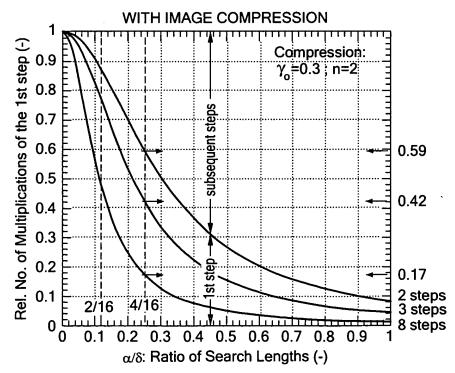
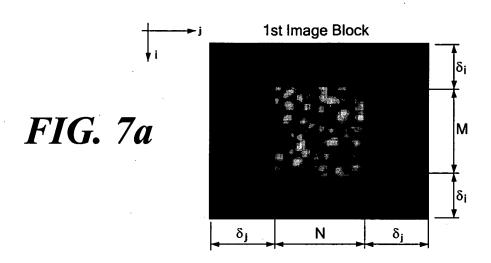


FIG 6b



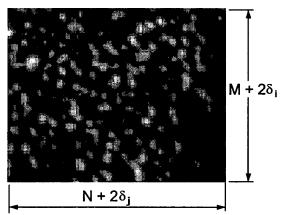
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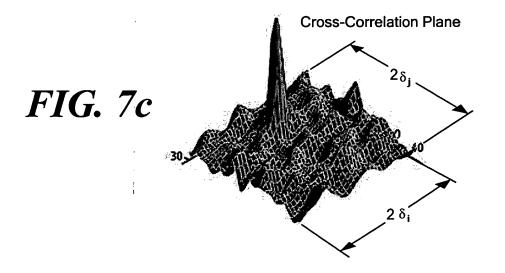
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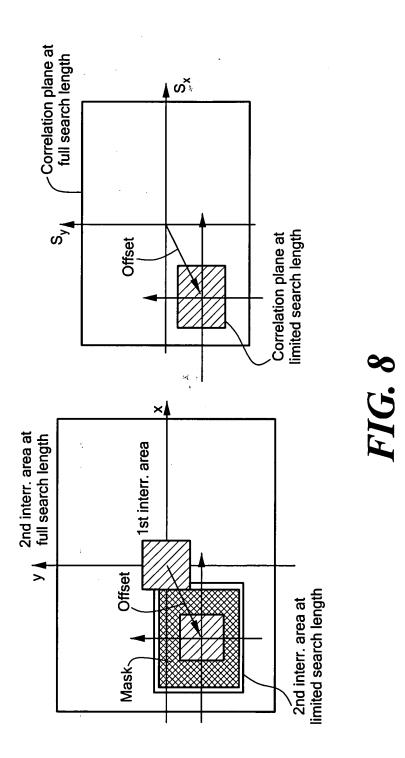
2nd Image Block

FIG. 7b











Original Image Frame

FIG. 9a

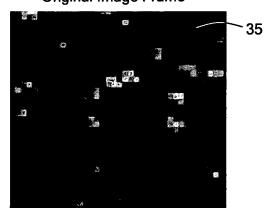
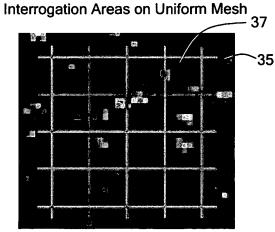
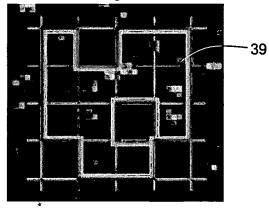


FIG. 9b



Combining Interrogation Areas based on Signal Content

FIG. 9c

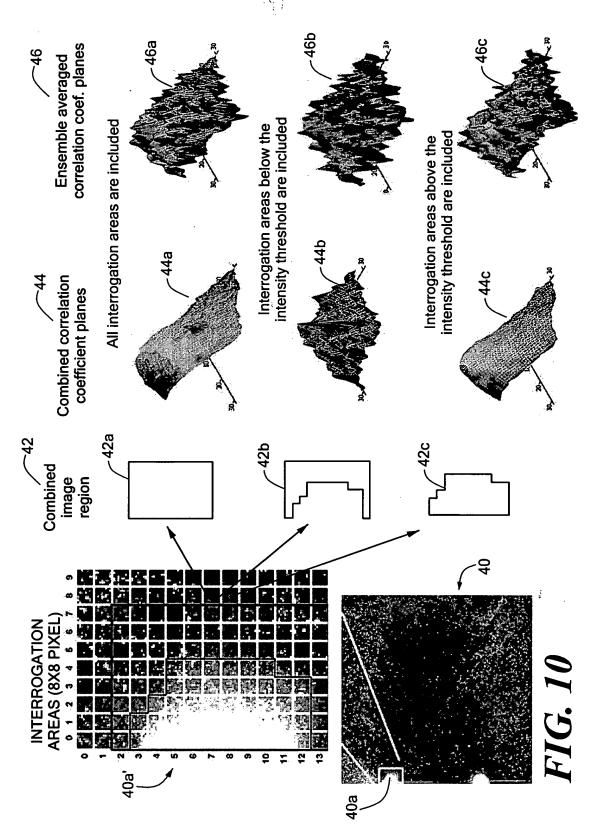


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A METHOD OF MULTI-RESOLUTION ADAPTIVE CORRELATION PROCESSING

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VJS PIV STANDARD IMAGE #23: 3D JET IMPINGEMENT/DENSE PARTICLE First Image Frame

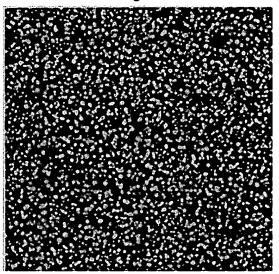


FIG. 11a

VJS PIV STANDARD IMAGE #23: 3D JET IMPINGEMENT/DENSE PARTICLE Overlaid 1st and 2nd Image Frames

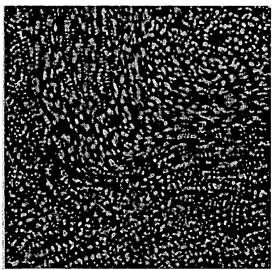


FIG 11b



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Vector Field on a Regular Mesh

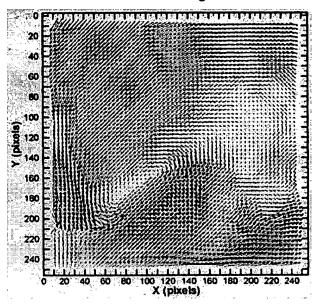


FIG. 11c

Distribution of Interrogation Area Size

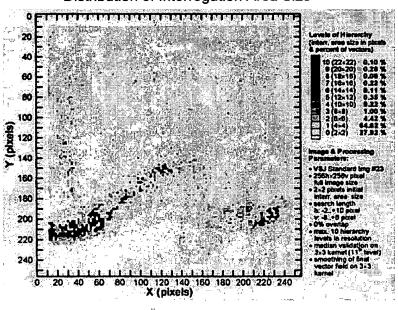


FIG. 11d



HIGH REYNOLDS NUMBER SWIRLING FLOW UNDERGOING SUDDEN EXPANSION First Image Frame

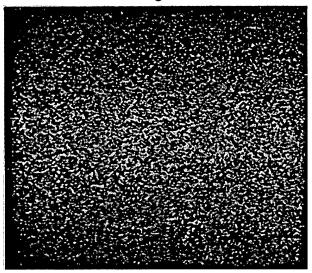


FIG. 12a

HIGH REYNOLDS NUMBER SWIRLING FLOW UNDERGOING SUDDEN EXPANSION Overlaid 1st and 2nd Image Frames

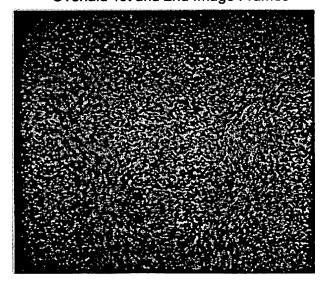
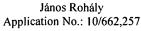


FIG 12b





Vector Field on a Regular Mesh

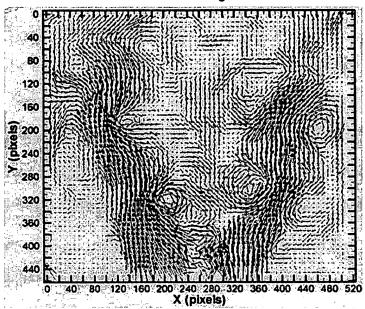


FIG. 12c

Distribution of Interrogation Area Size

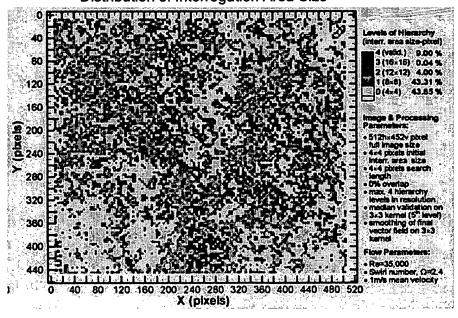


FIG 12d